

Wetland Determination Data Form

Feature ID: W104TR003

<input checked="" type="checkbox"/> Centerline <input type="checkbox"/> Re-Route <input type="checkbox"/> Access Road <input type="checkbox"/> Ancillary Facility <input type="checkbox"/> Transmission Line <input type="checkbox"/> Other		
Survey Description		
Centerline ID: 2009215CL		
Date: 2009/04/22	Client/Project Name Keystone XL- 10623-007	
Investigators: BEB & RAR	Milepost: 576.17 - 576.19	Tract No.: ML-SD-TR-11440.000
State/County: SD - Tripp	Section, Township, Range: T 97 N R 75 W	
Lat/Long: 43.229792*	Quad Name: Wewela NE	Region: Western Great Plains
Subregion (LRR or MLRA): LRR G	Datum: NAD 83	Soil Map Name: Dunday
NWI classification: PSS	Landform (Hillslope, Terrace, etc.): DEPRESSION	
Local Relief (Concave, Convex, None): CONCAVE		Slope (%): 1
Logbook No.: 1	Logbook Page No.: 12	
Are climatic/hydrologic conditions on the site typical for this time of year? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Are "Normal Circumstances" present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Significantly Disturbed: <input type="checkbox"/> Vegetation <input type="checkbox"/> Soil <input type="checkbox"/> Hydrology <input checked="" type="checkbox"/> None		
Naturally Problematic: <input type="checkbox"/> Vegetation <input checked="" type="checkbox"/> Soil <input type="checkbox"/> Hydrology <input type="checkbox"/> None		
Wetland Type: <input checked="" type="checkbox"/> PFO <input type="checkbox"/> PEM <input type="checkbox"/> PSS <input type="checkbox"/> Other		
Remarks:		

VEGETATION

VEGETATION - Tree Stratum			
Plot Size: NA			
Scientific And Common Name	% Cover	Dominant	Indicator
Salix amygdaloides	60	YES	FACW
Total Cover: 60			
VEGETATION - Sapling Stratum			
Plot Size: NA			
Scientific And Common Name	% Cover	Dominant	Indicator
Salix amygdaloides	1	YES	FACW
Total Cover: 1			
VEGETATION - Shrub Stratum			
Plot Size: NA			
Scientific And Common Name	% Cover	Dominant	Indicator
Total Cover: 0			
VEGETATION - Herb Stratum			
Plot Size: NA			
Scientific And Common Name	% Cover	Dominant	Indicator
Agropyron intermedium	25	YES	FAC
Bromus inermis	20	YES	UPL
Solidago gigantea	5	NO	FAC
Sporobolus airoides	50	YES	FAC
Total Cover: 100			

HYDRIC SOIL

Soil Profile Description

Depth (in)	Matrix		Redox Features				Texture	Remarks
	Color (Moist)	%	Color (Moist)	%	Type	Loc		
4-8	2.5 YR 2.5\1	100		0			SANDY CLAY LOAM	ORGANIC STAINING MANY ROOTS
8-20	10 YR 5\2	99	5 YR 4\6	1	C	PL	SANDY LOAM	
0-4	10 YR 2/1	100		0				

Matrix Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered Sand or Coated Sand Grains. 2 Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators

OTHER (EXPLAIN)

Problematic Hydric Soil: ☒ Yes ☐ No ☐ Unknown

Hydric Soil Criteria: ☒ 1 ☐ 2(A) ☐ 2(B)(1) ☐ 2(B)(2) ☐ 2(B)(3) ☐ 3 ☐ 4

Restrictive Layer Present: ☐ Yes ☒ No ☐ Unknown

Hydric Soil Present: ☒ Yes ☐ No ☐ Unknown

Remarks:

SANDY DARK SURFACE

JURISDICTIONAL DETERMINATION

Sampling Point Within a Wetland: ☒ Yes ☐ No ☐ Unknown Isolated Wetland? ☒ Yes ☐ No ☐ Unknown

Wetland Proximity Associated Waterbody: ☐ Adjacent ☐ Abutting ☒ Unknown

Associated Waterbody Name or Feature ID#:

Berm or Barrier Separation? ☐ Yes ☐ No ☒ Unknown

Flow Type between Wetland and Stream: ☐ Perennial ☐ Intermittent ☐ Ephemeral ☐ Seasonal ☒ No Flow

Surface flow between Wetland and Stream: ☐ Discrete ☐ Confined ☐ Discrete and Confined
☐ Overland Sheet-flow ☒ No Flow ☐ Unknown

Direction of Surface flow between Wetland and Waterbody : ☐ From Wetland to Waterbody ☐ From Waterbody to Wetland
☐ Both To/From Wetland to Waterbod ☒ No Flow ☐ Unknown

Subsurface Connection: ☐ Yes ☒ No ☐ Unknown

Surface Water Appearance: ☐ Clear ☐ Floating Algal Mats ☐ Greenish Color ☐ Obvious Surface Scum
☒ Other ☐ Sheen On Surface ☐ Slightly Turbid ☐ Turbid ☐ Very Turbid ☐ No Flow

Wetland Supports Riparian Buffer: ☐ Yes ☒ No ☐ Unknown

Wetland Quality ☐ High ☒ Moderate ☐ Low

Remarks: